

Title (en)

METHOD OF OPERATING A GAS TURBINE, AND GAS TURBINE WORKING BY IT

Title (de)

VERFAHREN ZUM BETREIBEN EINER GASTURBINE UND DANACH ARBEITENDE GASTURBINE

Title (fr)

PROCEDE POUR FAIRE FONCTIONNER UNE TURBINE A GAZ ET TURBINE A GAZ FONCTIONNANT SELON LEDIT PROCEDE

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Application

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Abstract (en)

[origin: DE19621385A1] When a gas turbine (1), into whose combustion chamber (8) compressed air (C) and fuel (B) are fed, is operating, a coolant (F, G) fed into the gas turbine (1) is heated. In order to achieve particularly great efficiency, according to the invention a first component of a mixture (P) containing a hydrocarbon, and a second component (K) containing water are used as the coolant (KMR), with the components of the mixture (G) reacting endothermally in the gas turbine (1), and with the converted coolant (A) being fed into the combustion chamber (8).

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